## 2017 ILX: TQI of the Navigation System

### AFFECTED VEHICLES

| Year | Model | Trim Level |
|------|-------|------------|
| 2017 | ILX | All with Navigation |

### INTRODUCTION

This bulletin covers the total quality inspection (TQI), including testing, of the navigation system for the 2017 ILX. It includes these topics:

| | | | |
|---|---|---|---|
| 1. | Navigation System Controls | 7. | *Bluetooth*® HandsFreeLink® (HFL) |
| 2. | Voice Control System | 8. | AcuraLink Real-Time Traffic Information |
| 3. | Navigation System Setup at the TQI | 9. | AcuraLink |
| 4. | Rearview Camera | 10. | Pandora® and Aha™ Interface |
| 5. | Troubleshooting | 11. | Short Message Service (SMS) Text Message/E-Mail Function |
| 6. | Map Coverage Areas | | |

For more information about this system, see these resources:

- Owner's Guide – Besides the one that comes in the *Owner Information Kit*, this guide is also online. Select **Search by Vehicle**, select the vehicle, then enter keyword **GUIDE**.
- Navigation Manual – Besides the one that comes on the Owner's CD, this manual is also online. Select **Search by Vehicle**, select the vehicle, then enter keywords **NAVI MANUAL**.
- Owner's Manual – Besides the one that comes on the Owner's CD, this manual is also online. Select **Search by Vehicle**, select the vehicle, then enter keywords **OWN MANUAL**.
- Online University – Log in and select **SALES**. Under **Quick Links**, select **Course Catalog**, then enter keyword **NAVI** in the search box.
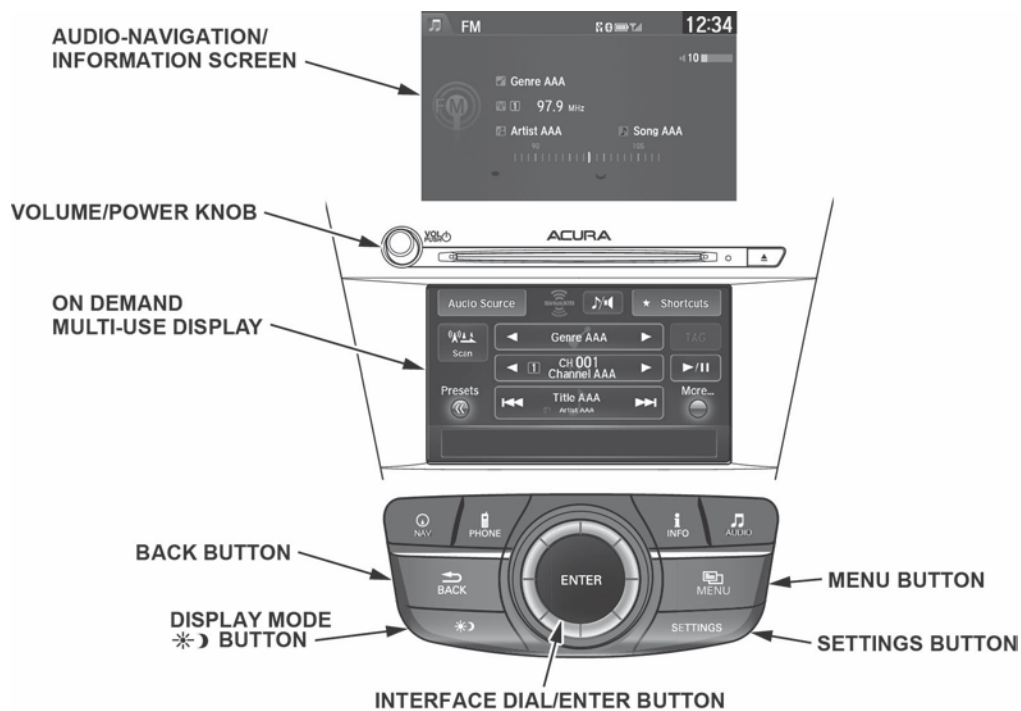
### CLAIM INFORMATION

The reimbursement time for the TQI of the navigation system is included as part of the regular TQI of the vehicle.

# 1. NAVIGATION SYSTEM CONTROLS

Use the following buttons to operate the navigation system. For more information about them, see "Getting Started" in the navigation manual.

AUDIO-NAVIGATION/
INFORMATION SCREEN

VOLUME/POWER KNOB

ON DEMAND
MULTI-USE DISPLAY

BACK BUTTON

DISPLAY MODE
☀☽ BUTTON

MENU BUTTON

SETTINGS BUTTON

INTERFACE DIAL/ENTER BUTTON

## 2. VOICE CONTROL SYSTEM

The navigation system features a voice control system that lets you work most of the navigation, HVAC, and audio controls with just your voice. To interact with the system, use the Talk and Hang-up/Back buttons on the steering wheel. The microphone is on the ceiling. This is the primary way to give commands to the system.

**STEERING WHEEL**



HANG-UP/BACK BUTTON

TALK BUTTON

**CEILING CONSOLE**
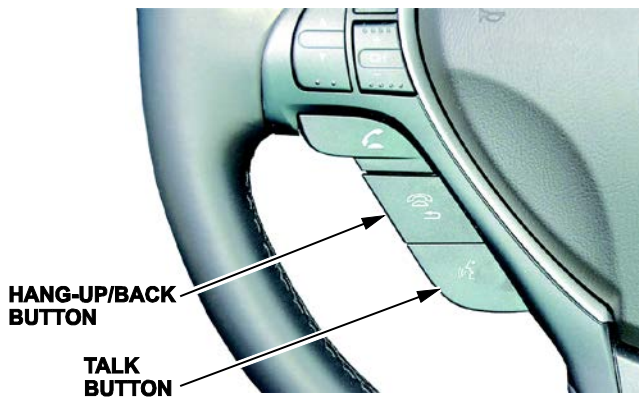


MICROPHONE (ON THE CEILING)

Hang-up/Back button – Press and release this button to return to the previous screen.

Talk button – When you press this button, the **Voice Portal** screen appears. After the beep, give a command and follow the screen prompts.

Microphone – Picks up your voice commands

NOTE:
- Always press the Talk button and wait for the beep before giving a command.
- If the system does not understand your commands, see "Improving Voice Recognition" in the navigation manual.

## 3. NAVIGATION SYSTEM SETUP AT THE TQI

The navigation system is basically ready to use when the vehicle is delivered to the dealership. The system has features to reduce the chance of driver distraction. Some touch screens menus are limited or unavailable (grayed out) while driving to encourage the use of voice commands for the navigation and audio systems.

Since the navigation system interfaces with other vehicle systems, it is important that all of the systems are initialized. To initialize the navigation system, follow these steps:

1. Do the regular TQI of the vehicle.

2. You may see the factory **In Line Diag** screen below. If so, complete the in-line diagnosis by doing the following. If not, go to step 3.

- Select **Start Diag**.
- Press all of the buttons on the steering wheel that are shown in the **In Line Diag** screen. The icons should turn green.
- Make a loud sound (like snapping your fingers or clapping your hands) by the microphone to complete the mic test.
- When you have completed all of the tests, the icons will be green. Select **Exit Diag** to exit the screen.



- Set the power mode to OFF, then to ON to make sure the **In Line Diag** screen does not reappear.

3. Start the engine and park the vehicle in an open area away from trees, power lines, and tall buildings. Remove loose articles, cell phones, and electrical accessories near the GPS antenna. If needed, press the VOL knob to turn on the audio-navigation unit. When the **Enter code** screen appears, press and hold the VOL knob for about **2 seconds**. This lets the PCM check that the vehicle's VIN matches the one saved in the unit. You will hear a long beep when the unit exits the anti-theft mode. Release the knob.
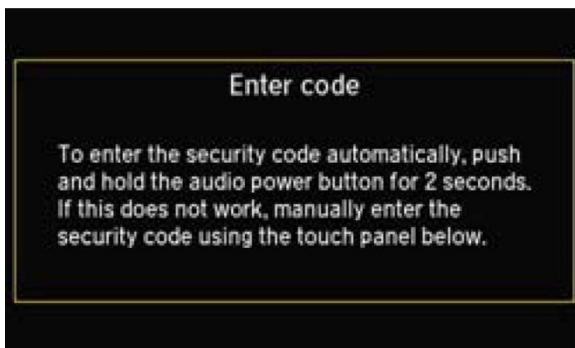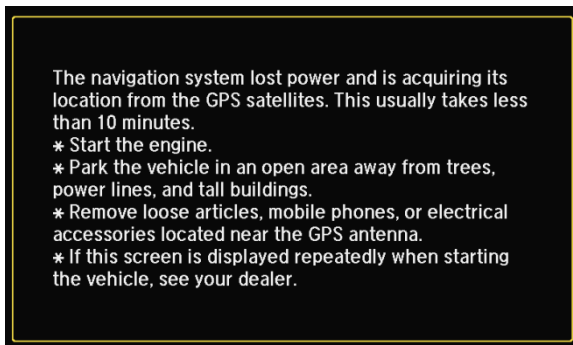


NOTE:

- If the audio-navigation unit does not exit the anti-theft mode, enter the anti-theft code using the audio touch screen display.
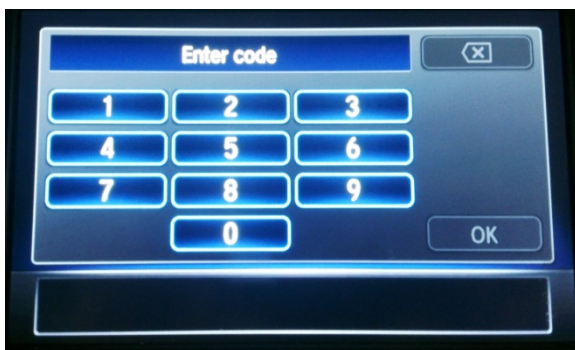
- Anti-theft code labels are no longer included in the vehicle.

- If you need the anti-theft code, you can get it from the iN (Interactive Network) using the navigation system serial number. You can easily get that number without removing the audio-navigation unit.
  To get the serial number and the code, do this:

  - Press and hold the MENU, NAV, and BACK buttons at the same time.
  - At the **Select Diagnosis Items** screen, select **Detail Information & Settings**, **Unit Check**, then **ECU Info**. The system runs a short diagnostic, then the navigation system serial number appears at the bottom of the screen.



  - Go to **Anti-theft Code Inquiry** on the iN and look up the five-digit anti-theft code.
  - If the code does not work, call the American Honda warranty department at **310-783-3240**. **Do not** call Tech Line.

4. Once you enter the code, this screen appears, telling you the system is initializing (acquiring its location from the GPS satellites). Keep watching the screen.



NOTE: Initialization averages about **10 minutes**, but it can take as long as **45 minutes**. If it completes within **10 minutes**, the screen changes to the globe screen.

5. If the system does not initialize within **10 minutes**, a second screen (shown below) appears. The system is still initializing, but it will not automatically change to the globe screen when the initialization is complete. **Do not** follow the screen instructions right away. After **30 minutes**, try restarting the engine to see if the system completed the initialization. If it did not, then follow the screen instructions.
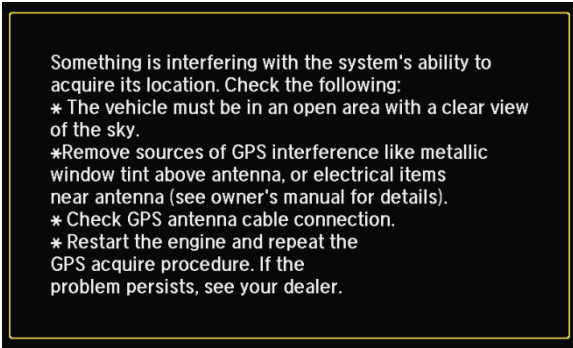


NOTE: The initialization screen may appear after battery voltage to the audio-navigation unit has been disconnected for more than **5 minutes**. If this happens, follow the screen instructions. If you are still unable to get GPS initialization, see the service information for diagnostic information.

6. When initialization is complete, this screen appears. Select **OK**.
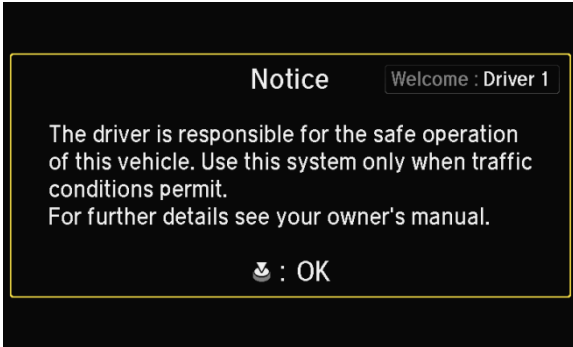


NOTE: Do not enter a destination yet. For the navigation system to calculate a route, it must align the current location to a mapped road (map matching). This happens when you start driving.

7. Make sure the SiriusXM® Radio dealer demo account is active by tuning to several channels within the full channel lineup. To see the full list of channels, go to *www.siriusxm.com*. If you get those channels, the demo account is fully active.

NOTE: SiriusXM® Radio is free to clients for the first **90 days**. To keep getting coverage after that, they must subscribe by calling **800-852-9696** or going to *www.siriusxm.com*. They will need their eight-character radio ID (shown when tuned to channel **0**) and a major credit card.
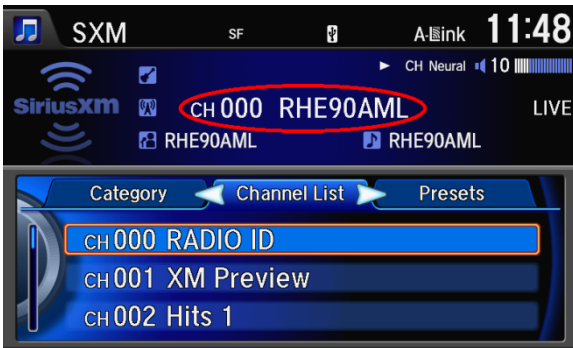
8. Drive the vehicle at least a half-mile from your dealership and find a safe place to park. Then, set the map scale to 1/20.

- Make sure the VP (vehicle position) icon moves smoothly as you drive and does not jerk from one point to another. Also, make sure the icon points in the direction the vehicle is traveling; it should not dog track or spin.
- After driving a few hundred feet, you should see the name of the road you are driving on at the bottom of the screen. The system is now map-matched.

NOTE: If the system fails to map-match after driving for more than a couple of miles on a displayed road, see the service information symptom troubleshooting.

9. With the map screen shown, press and release the Talk button. The **Voice Portal** screen appears.
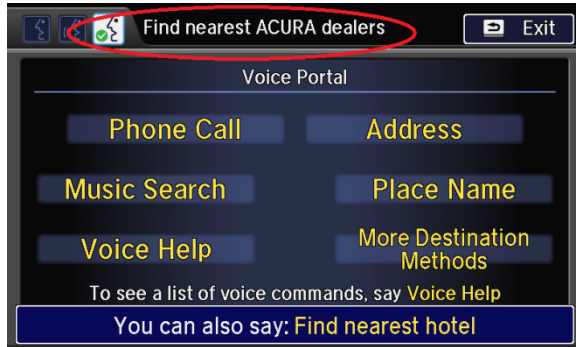


10. After the voice prompt and beep, say "Find the nearest Acura dealer." You should see a list of Acura dealers.

11. Turn the interface dial to highlight your dealership in the **Select a place** screen, then push the ENTER button.

12. On the following screen, select **Set as Destination**. The system then calculates a route and shows it as a blue line. If you are in an area with unverified roads, you may see a blue vector line or a blue/pink dotted line pointing in the direction of your destination.

13. Follow the voice guidance back to your dealership. It should work even with the audio system turned off.

14. With the map screen shown, check the system interaction with the audio system and the On Demand Multi-Use Display™ (ODMD). Press and release the Talk button. The **Voice Portal** screen appears. After the voice prompt and beep, say "XM channel 115." The ODMD should show SiriusXM® channel **115**.

15. With the map screen shown, check the system interaction with the climate control system. Turn it on by selecting **AUTO**. Then, press and release the Talk button. The **Voice Portal** screen appears. After the voice prompt and beep, say "Temperature 68 degrees." The ODMD should show 68 degrees.

16. Make sure the time shown in the navigation display is correct; the system gets it from the GPS satellites. For areas that do not follow daylight saving time, you may have to adjust the time settings. Go to the **System setting** screen, then select **Clock**, and set **Auto Daylight** to **OFF**.

NOTE: If your dealership is near a time zone boundary, set **Auto Time Zone by GPS** to **OFF**.  The clock then keeps the home time if the client routinely drives across the time zone boundary.

17. Press the DISPLAY MODE button to make sure the display changes between the **Day**, **Night**, and **OFF** modes.

18. If your dealership is near a metropolitan area that has traffic incident or traffic flow data available (see ACURALINK REAL-TIME TRAFFIC INFORMATION), do this:

- Turn the interface dial to select one of the traffic map scales (1/20-, 1/8-, 1/4-, 1/2-, 1-, 2-, or 5-mile).
- Use the interface dial to scroll to the downtown area of your city. If your metro area has traffic flow data, freeways and other main roads should show this data as red, yellow, or green lines in one or both directions.
- You may see small diamond-shaped traffic incident icons. If so, scroll over one and press in the interface dial to see the details.
- Partially shown traffic data does not mean a problem with the navigation system. Traffic flow and density varies from day to day and from one road to another. If your area has traffic, but you cannot see it on the screen, do a search using keyword **TRAFFIC**.

19. Clear the HDD to delete any information that was saved during the TQI:
   - Set the power mode to ACCESSORY.
   - Turn on the audio-navigation unit.
   - Press and hold the MENU, NAV, and BACK buttons at the same time until the **Select Diagnosis Items** screen appears. Then, release the buttons.
   - Select **Detail Information & Setting**, then **Functional Setup**.
   - Select **All Clear**. A confirmation screen appears. Select **Yes**.
   - A second confirmation screen appears. Select **Yes,** again.

## 4. REARVIEW CAMERA

With the power mode set to ON, shift to Reverse. The rearview image appears on the navigation screen. Make sure the distance guidelines appear on the screen. Change the camera views by pushing in on the interface dial. Turn the dial to adjust the image brightness. This adjustment is not affected by the screen brightness adjustment in **Setup**.

NOTE:
- When in Reverse, only the interface dial works; the other buttons are locked out.
- If the image is foggy or dirty, clean the camera lens.

## 5. TROUBLESHOOTING

If you think you found any problems with the navigation system during the TQI or after installing replacement parts to repair it, go to the service information and enter keywords **HOW TO TROUBLESHOOT**. From the list, select **How to Troubleshoot the Navigation System**.

## 6. MAP COVERAGE AREAS

The map database covers the United States, Mexico, Puerto Rico, and Canada. The map coverage for the U.S. contains accurately mapped (verified) metropolitan areas and less accurate (unverified) rural coverage.

For a list of current detailed coverage areas by country and state/province, see the navigation manual or go to *www.acuranavi.com*. Online, select the **Model** and **Year**, **Map Coverage**, then **Map Coverage Details**.

You do not need to change the navigation settings when relocating to or from these locations.

## 7. *BLUETOOTH*® HANDSFREELINK® (HFL)

HFL works with most *Bluetooth*®-enabled cell phones to let you receive and make phone calls through the audio system without ever taking your hands off of the wheel.

With a compatible phone, a simple one-time pairing process using the navigation screen is all it takes to connect the phone to the vehicle. When you make or receive a call, the audio system will automatically mute, and you will hear the call through the audio system speakers.

You can pair up to six phones to HFL You view and work HFL functions through the navigation screen. A phonebook from a compatible phone(s) can be synched with the audio-navigation unit when the phone is first paired.

For a list of approved phones, go to *www.acura.com/handsfreelink*.

## 8. ACURALINK REAL-TIME TRAFFIC INFORMATION

Traffic information is available in many metropolitan areas. The amount and type of coverage varies. Traffic incidents (diamond-shaped icons) are shown on the screen for most major metropolitan cities (typically during daytime commutes). Many of these cities also show traffic flow, shown as red, orange, or green bands, alongside major roads or freeways.

The amount of traffic coverage varies from city to city and time of day. The Acura website has a link that provides an up-to-date list of the current cities with traffic coverage and the actual roads covered within each city. This link includes a system demonstration that explains traffic flow color bands and incident icons. You can find this link at *www.acura.com/realtimetraffic*.



## 9. ACURALINK

AcuraLink delivers remote services to the vehicle using an embedded cellular module and the client's smartphone. The module provides access to emergency services, remote vehicle functions, enhanced navigation services, remote vehicle diagnosis, and client relation services.

The client's smartphone provides access to Pandora® and Aha™ and vehicle finder and tracking services through individual apps.

All of the functions are combined in the vehicle using overhead console buttons along with the navigation screen and ODMD.

NOTE: Enrollment is required for AcuraLink. On the iN, go to **Service**, **AcuraLink Next Gen**, and **Enrollment**.

### AcuraLink System Status Indicator

The AcuraLink System Status indicator shows you the status of AcuraLink. When the system is booted up, the indicator blinks red, then green one time.
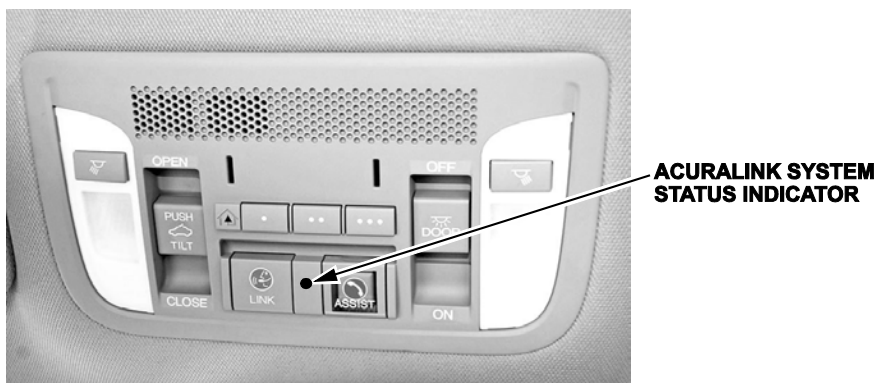


- **Steady Green**: The system is ready to use.
- **Blinking Green:** A call is being connected or is in progress.
- **Steady Red:** There is a problem in the system.
- **Alternately Blinks Red and Green:** The self-diagnosis function is in use.

NOTE: If you suspect any problems with the AcuraLink services, run a diagnostic check by pressing and holding the Hang-up/Back button for up to **5 seconds**. The AcuraLink System Status indicator will alternately blink red and green and you should hear "TCU is OK."

## 10. PANDORA® AND AHA™ INTERFACE

Clients can stream Pandora® or Aha™ through the audio system. Clients need to pair their Acura-approved phones to HFL. To find an approved phone that supports streaming Pandora® or Aha™, go to *ww.acura.com/handsfreelink*.

The Aha™ app works best if the client downloads the **AcuraLink Streams** app available in the Google Play Store or the Apple App Store.



NOTE: Not all approved phones support all of the Pandora® or Aha™ features. Make sure you check the phone's supported features on the website to avoid replacing good components in the vehicle during troubleshooting.

For more information about playing Pandora® or Aha™ through the audio system, see "Playing Internet Radio" in the owner's manual.

## 11. SHORT MESSAGE SERVICE (SMS) TEXT MESSAGING/E-MAIL FUNCTION

An integrated SMS text message function lets clients respond to incoming text messages without handling their phones.

Clients who pair specified Acura-approved phones to HFL can get incoming text messages and e-mails, as well as respond to messages by way of the audio-navigation unit by selecting one of six possible responses.

For more information about text messages, see the owner's manual. For a list of approved phones, go to *www.acura.com/handsfreelink*.